



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Lawrence M. Giacoma et al.

Appln. No.: 10/606,452

Filed: June 26, 2003

For: HEAT EXCHANGER WITH INCREASED
HEAT TRANSFER EFFICIENCY AND A
LOW-COST METHOD OF FORMING THE
HEAT EXCHANGER

Group Art Unit: Unknown

Examiner: Unknown

SUBMISSION OF SUBSTITUTE DRAWINGSCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR §1.21(b)(3), please replace the informal drawings filed with the application with the attached substitute drawings. The substitute drawings are believed to include no new matter. A marked-up version of the informal drawings has not been included as it is believed that the substitute drawings have the same content as the informal drawings, with the exception that arrowheads have been deleted in several figures for width (W) and length (L).

Respectfully submitted,

Dated: 7-17-03

By:

Mark C. Pickering
Registration No. 36,239
Attorney for ApplicantsP.O. Box 300
Petaluma, CA 94953-0300
Direct Dial Telephone No. (707) 762-5583
Main Telephone: (707) 762-5500
Facsimile: (707) 762-5504
Customer No. 33402



Please type a plus sign (+) inside this box → ☒

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

12

Application Number

10/606,452

Filing Date

June 26, 2003

First Named Inventor

Lawrence M. Giacomini et al.

Group Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

200-65200 (2003-00399)

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☐ Amendment/Response

☐ After Final (Response)

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☒ Drawing(s) 10 sheets (substitute-formal)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) _____

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Inquiry

☒ Other Enclosure(s) (please identify below):

Return Receipt Postcard
Certificate of Mailing
Submission of Substitute Drawings

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Mark C. Pickering, Reg. No. 36,239

Signature

Date

July 17, 2003

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: July 17, 2003

Typed or printed name Robin L. King

Signature

Date

July 17, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.